

OPTIGRÜN U

Aeration Substrate

Optigrün Aeration Substrate U as a filling substrate under the Optigrün Intensive Substrate i for underground garages with a higher green roof structure and lower load bearing capacity.



Material (main components)	Expanded shale, expanded clay, lava, pumice, crushed brick and Porolith. With a variable composition depending on the region.
Weight when dry (compacted)	min. 550 kg/m ³ (light version) min. 1,000 kg/m ³ (heavy version)
Weight when saturated (compacted)	1,000-1,250 kg/m ³ (light version) 1,300-1,800 kg/m ³ (heavy version)
Max. water capacity	≥ 25 Vol%
pH value	5.5 - 8.5
Salt content	≥ 2.5 g/l
Water permeability	≥ 0.3 mm/min
Compaction factor	1.15
Organic substances	< 40 g/l
Total pore volume	> 55 - 60 Vol%
Delivery form	- loose bulk on an open truck - blown into silo truck - in big bags on an open truck
Quantity/delivered unit	according to size of order

Area of use

Filling substrate under multi layer intensive and lawn substrates.

Specific properties

- Fulfils the requirements of the FLL Green Roofing Guideline
- More precise information about the weight is to be requested from Optigrün based on the region of the construction scheme
- Has a European Technical Assessment (ETA-13/0557) as part of the Optigrün system solutions



The preceding details are guideline values established under laboratory conditions. These values are subject to a certain manufacturing tolerance. The data contained in this product information sheet represents Optigrün's technical knowledge at the time of publication. Optigrün reserves the right to change and update details in accordance with new insights and to modify specified properties accordingly. No liability accepted for misprints.

Optigrün international AG

Am Birkenstock 15 – 19,
72505 Krauchenwies-Göggingen
Tel. +49 7576 772-0, Fax +49 7576 772-299, info@optigruen.de

Optigrün Limited (Service UK only)

Suite G5 Albany Chambers, 26 Bridge Road East
Welwyn Garden City (Herts), AL7 1HL
Phone +44 203 5899400, Fax +44 207 1171664, info@optigruen.co.uk

